

Selected Indicators

		PONCE	CAGUAS	BARCELONETA	CAROLINA	STRESSOR/RELI EVER	UNITS	SOURCE & METADATA
Environmental								
1	Amount of houses without sewage connection as a percentage of the total housing units.	34.0%	29.8%	46.1%	24.9%	S	Percentage of Municipal Total	PRASA/Census
2	Percentage of Rustic Land (Rural/ Non Urban/ Agricultural/ Unprotected)	67.0%	70.8%	62.0%	60.4%	R	Percentage of Municipal Total	Municipal/PR Planning Board
3	Housing density in Rustic Land.	54	133	91	98	S	Houses per Sq Km per Municipality	Municipal/PR Planning Board
4	Mt <sup>2</sup> of green infrastructure per person in urban areas.					R	Sq M. per Person	IITF/Census 2000
5	Amount of solid non-hazardous waste generation.	6.9%	4.5%	1.2%	4.6%	S	Percentage of Island Total (Yearly Total)	Solid Waste Authority 2007
6	Percentage of recycled solid non-hazardous waste.	8.8%	N/A	1.5%	7.0%	R	Percentage from Total Waste (Yearly Total)	Solid Waste Authority 2007
7	Percentage of protected areas in forests and wetlands.	10.5%	0.7%	33.9%	23.0%	R	Percentage of Municipal Total Land	DRNE 2007
8	Air quality (CO <sub>2</sub> ).	102,166	89,864	14,706	115,521	S	Total Private Vehicles (Cars and SUVs)	DTPW 2007
9	Amount of built structures 3 meters over sea level.	19,969	N/A	5,367	76,813	S	Total Structures	CRIM/NASA
10	Water consumption per house per day	166	164	164	172	S	Gallons per Day per Household	PRASA/Census
11	Energy consumption per house.	5,754	6,222	4,049	7,508	S	KW per House per Day	PREPA
Socio-Economics								
12	Amount of highly valuable agricultural lands.	58	43	32	28	R	Total Sq Km per Municipality	NRCS-USDA
13	Amount of active agricultural lands.	5,843	2,828	1,777	2,234	R	Cuerdas = Acre	NRCS-USDA/Census
14	Percentage of residents that work in the same municipality they live.	86.0%	56.0%	56.0%	42.0%	R	Percentage	US Census 2000
15	Population density in urban areas.	1,598	2,189	809	3,299	R	Population	Census 2000/Municipal
16	Percentage of people living in flood prone zones.	1.0%	2.0%	4.0%	0.0%	S	Percentage	Census/FEMA
17	Percentage of affordable housing in urban areas.					R	Percentage	Estudios Técnicos, Inc.
18	GINI indicator	0.47	0.36	0.55	0.25	S	Unitless	Estudios Técnicos, Inc.
Infrastructure								
19	Percentage of change in the use of public transportation for work.	-1.0%	-2.0%	0.0%	-2.0%	R	Percentage Change	Census 200
20	Number of public cars routes per ward/municipality.	44	40	4	9	R	Total Routes	DTPW
21	Public roads' density as a percentage of municipal area.	4.34	5.2	4.57	6.34	S	Linear Km per Sq Km	Census 2000
22	Communities with accessibility deficiencies to potable water supplies.	3	2	1	2	S	Barrios	Puerto Rico Waters Plan 2007
Institutional								
23	Approved land use plan by the PR Planning Board.	1	1	1	1	R	Unitless	PR Planning Board
24	Fiscal fragility index.	13.53	-9.51	0.22	0.06	S	Unitless	Estudios Técnicos, Inc.

BASE DATA

	PONCE	CAGUAS	BARCELONETA	CAROLINA
Area Total KM2	302	152.8	48.7	123.5
Pop 2000	186,475	140,502	22,322	186,076
Pop 1990	187,749	133,447	20,947	177,806
Change in Pop	-1274	7055	1375	8270
Pop Dens 2000	617.47	919.52	458.36	1506.69
Pop Dens 1990	621.69	873.34	430.12	1439.72
Tot Housing 2000	66,471	50,568	8,375	71,347

Abbreviations for Puer

DTPW	Department of Transportation and F
DNER	Department of Natural and Environi
PRASA	Puerto Rico Aqueduct and Sewer A
PREPA	Puerto Rico Electric Power Authorit
CRIM (in Spanish)	Collection Center for Municipalities
IITF	International Institute of Tropica

Calculation
Houses without sewege conn./total housing units
Rural or Rustic Land/total municipal land
Total houses/Rustic Rural Land
In development (GIS)
Calculation might change. Still in development.
None
Percentage from total land as wetland and forests
Registered private vehicles per municipality/ emission of CO2 per vehicle
GIS
None
None
GIS
None
None
Pop
(Pop. in zone 1/total pop. in municipality)*100
In development with Estudios Técnicos, Inc.
Estudios Técnicos, Inc. supplied
(Census 1990) - (Census 2000)*100
None
TIGER Files roads length/municipal area
Sum of all Barrios with deficiencies
Planning Board Data (2007)
Estudios Técnicos, Inc. supplied

**uerto Rico Agencies**

- Public Works
- mental Resources
- Authority
- ty
- Incomes
- ul Forests of the Forest Service-USDA